

**LISTING OF CLAIMS**

Claims 1-157. **(Canceled).**

Claim 158. **(Currently Amended)** A tooth whitening patch ~~in a dry state~~ comprising a combination formed from the following materials:

- (1) ~~hydrogen~~ a peroxide,
- (2) polyvinyl pyrrolidone and/or polyvinyl alcohol,
- (3) hydroxypropylmethyl cellulose, polyalkylvinyl ether-maleic acid copolymer and/or polyquaternium-39
- (4) a ~~sodium tripoly~~ polyphosphate,

wherein the patch has adhesive strength, and wherein the adhesive strength of the patch will increase upon becoming hydrated by applying the patch to a user's teeth by at least 1.6 time to 25,712 times post hydration.

Claim 159. **(Previously Presented)** The patch of claim 158, wherein the adhesive strength of the patch, upon becoming hydrated, at least doubles as compared to the dry state.

Claim 160. **(Previously Presented)** The patch of claim 158, wherein the patch comprises two layers and one of the layers is the layer which provides the adhesive strength of the patch.

Claim 161. **(Previously Presented)** The patch of claim 160, wherein the other layer is a backing layer.

Claim 162. **(Previously Presented)** The patch of claim 160, wherein the layer with adhesive strength comprises a combination formed from hydrogen peroxide and polyvinyl pyrrolidone.

Claim 163. **(Previously Presented)** The patch of claim 162, wherein the other layer is a backing layer.

Claim 164. **(Previously Presented)** The patch of claim 162, wherein the hydrogen peroxide and polyvinyl pyrrolidone form a complex via hydrogen bonding.

Claim 165. **(Canceled).**

Claim 166. **(Previously Presented)** The patch of claim 158, wherein the combination further comprises one or more plasticizers.

Claim 167. **(Previously Presented)** The patch of claim 166, wherein the plasticizers are selected from the group consisting of propylene glycol and glycerin.

Claim 168. **(Previously Presented)** The patch of claim 158, wherein the combination further comprises a stabilizer for hydrogen peroxide.

Claim 169. **(Canceled).**

Claim 170. **(Canceled).**

Claim 171. **(Previously Presented)** The patch of claim 158, wherein the adhesive strength of the patch, upon becoming hydrated, fixes the patch to the user's teeth.

Claim 172. **(Previously Presented)** The patch of claim 171, wherein the fixed patch has sufficient contact time with the user's teeth to allow the patch to whiten the user's teeth.

Claim 173. **(Canceled).**

Claim 174. **(Canceled).**

Claim 175. **(Canceled).**

Claim 176. **(Canceled).**

Claim 177. **(Canceled).**

Claim 178. **(Canceled).**

Claim 179. **(Canceled).**

Claim 180. **(Canceled).**

Claim 181. **(Canceled).**

Claim 182. **(Canceled).**

Claim 183. **(Canceled).**

Claim 184. **(Canceled).**

Claim 185. **(Canceled).**

Claim 186. **(Canceled).**

Claim 187. **(Currently Amended)** A tooth whitening patch ~~in a dry state~~ comprising a combination formed from the following materials:

- (1) hydrogen peroxide,
- (2) polyvinyl pyrrolidone, as an adhesive polymer and
- (3) sodium ~~tripoly~~ tetrapyrophosphate,

wherein the patch has adhesive strength, ~~wherein~~ and the adhesive strength of the patch will increase upon becoming hydrated by applying the patch to a user's teeth by at least 1.6 time to 25,712 times post hydration.

Claim 188. **(Previously Presented)** The patch of claim 187, wherein the adhesive strength of the patch, upon becoming hydrated, at least doubles as compared to the dry state.

Claim 189. **(Previously Presented)** The patch of claim 187, wherein the patch comprises two layers and one of the layers is the layer which provides the adhesive strength of the patch.

Claim 190. **(Previously Presented)** The patch of claim 189, wherein the other layer is a backing layer.

Claim 191. **(Previously Presented)** The patch of claim 189, wherein the layer with adhesive strength comprises a combination formed from hydrogen peroxide and polyvinyl pyrrolidone.

Claim 192. **(Previously Presented)** The patch of claim 191, wherein the other layer is a backing layer.

Claim 193. **(Previously Presented)** The patch of claim 191, wherein the hydrogen peroxide and polyvinyl pyrrolidone form a complex via hydrogen bonding.

Claim 194. **(Previously Presented)** The patch of claim 191, wherein the combination further comprises sodium tripolyphosphate.

Claim 195. **(Previously Presented)** The patch of claim 187, wherein the combination further comprises hydroxypropylmethyl cellulose.

Claim 196. **(Previously Presented)** The patch of claim 187, wherein the combination further comprises one or more plasticizers.

Claim 197. **(Previously Presented)** The patch of claim 196, wherein the plasticizers are selected from the group consisting of propylene glycol and glycerin.

Claim 198. **(Previously Presented)** The patch of claim 187, wherein the combination further comprises a stabilizer for hydrogen peroxide.

Claim 199. **(Canceled).**

Claim 200. **(Canceled).**

Claim 201. **(Previously Presented)** The patch of claim 187, wherein the adhesive strength of the patch, upon becoming hydrated, fixes the patch to the user's teeth.

Claim 202. **(Previously Presented)** The patch of claim 201, wherein the fixed patch has sufficient contact time with the user's teeth to allow the patch to whiten the user's teeth.

Claim 203. **(Canceled).**

Claim 204. **(Canceled).**

Claim 205. **(Currently Amended)** An active ingredient-containing adhesive layer for application to teeth comprising a combination formed from:

- (1) hydrogen peroxide,
- (2) polyvinyl pyrrolidone, as an adhesive polymer and
- (3) a polyphosphate,

~~wherein the adhesive layer is in a dry state and has adhesive strength,~~ and wherein the adhesive strength of the adhesive layer will increase upon becoming hydrated by applying the adhesive layer to a user's teeth by at least 1.6 time to 25,712 times post hydration..

Claim 206. **(Previously Presented)** The adhesive layer of claim 205, wherein the polyphosphate is selected from the group consisting of tetrasodium pyrophosphate, sodium acid

pyrophosphate, sodium hexametaphosphate, sodium hexametaphosphate, sodium tripolyphosphate, sodium potassium tripolyphosphate, tetrapotassium pyrophosphate, acidic sodium metapolyphosphate and combinations thereof.

Claim 207. **(Previously Presented)** The adhesive layer of claim 205, wherein the polyphosphate is sodium tripolyphosphate.

Claim 208. **(Canceled).**

Claim 209. **(Canceled).**

Claim 210. **(Canceled).**

Claim 211. **(Canceled).**

Claim 212. **(Canceled).**

Claim 213. **(Canceled).**

Claim 214. **(Canceled).**

Claim 215. **(Currently Amended)** A tooth whitening patch comprising two layers, wherein one of the layers is an active ingredient-containing adhesive layer for application to teeth comprising a combination formed from:

- (1) hydrogen peroxide, and
- (2) polyvinyl pyrrolidone, as an adhesive polymer

wherein the adhesive layer ~~is in a dry state and~~ has adhesive strength, wherein the adhesive strength of the adhesive layer will increase upon becoming hydrated by applying the adhesive

layer to a user's teeth by at least 1.6 time to 25,712 times post hydration, and wherein one of the layers comprises sodium tripolyphosphate.

Claim 216. **(Currently Amended)** A tooth whitening patch comprising two layers, wherein one of the layers is an active ingredient-containing adhesive layer for application to teeth comprising a combination formed from:

- (1) hydrogen peroxide, and
- (2) polyvinyl pyrrolidone, as an adhesive polymer

wherein the adhesive layer ~~is in a dry state and~~ has adhesive strength, wherein the adhesive strength of the adhesive layer will increase upon becoming hydrated by applying the adhesive layer to a user's teeth by at least 1.6 time to 25,712 times post hydration, and wherein the adhesive layer comprises sodium tripolyphosphate.

Claim 217. **(Canceled).**

Claim 218. **(Canceled).**